

**UNITED STATES  
COMBINED DECLARATION AND POWER OF ATTORNEY**

As a below named inventor, I hereby declare that: My residence, post office address and citizenship are as stated below next to my name, I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **Designed Cellular Coal**, the application of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose to the Office all information known to me which is material to the examination of this application as defined in §1.56. I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate having a filing date before that of the application(s) of which priority is claimed.

**Prior Foreign Application(s)****Prior Claim**

_____	_____	_____	[ ]	[ ]
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No
_____	_____	_____	[ ]	[ ]
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application listed below and insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112. I acknowledge the duty to disclose to the Office all information known to me which is material to the examination of this application as defined in §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

_____	_____	_____
(Application Serial No)	(Filing Date)	(Status: patented, pending, abandoned)
_____	_____	_____
(Application Serial No)	(Filing Date)	(Status: patented, pending, abandoned)

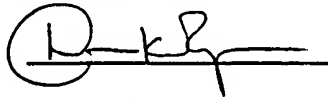
As a named inventor, I hereby appoint Auzville Jackson, Jr., Reg. No. 17,306, as my attorney to prosecute this application, and transact all business in the Patent and Trademark Office connected therewith and to act on my behalf before the competent International Authorities in connection with any and all international applications filed by me and of which I am the sole applicant and to receive payments on my behalf.

Send correspondence to: Auzville Jackson, Jr.  
8652 Rio Grande Rd.  
Richmond, VA 23229  
(804)740-6828 / FAX (804) 740-1881

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first inventor: Darren Rogers

First Inventor's signature:



Date:

4 DECEMBER 2000

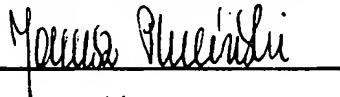
Address of First Inventor: 4 America Avenue  
Wheeling, WV 26003

Citizenship of First Inventor: United States of America

Residence of First Inventor: 4 America Avenue  
Wheeling, WV 26003

Full name of second inventor: Janusz Wladyslaw Plucinski

Second Inventor's signature:



Date:

12/4/00

Address of Second Inventor: 416 6<sup>th</sup> Street  
Glen Dale, WV 26038

Citizenship of Second Inventor: Poland

Residence of Second Inventor: 416 6<sup>th</sup> Street  
Glen Dale, WV 26038

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Commissioner for Patents  
Washington, D.C. 20231

**COMBINED STATEMENT UNDER 37 C.F.R. § 3.73(b), POWER OF ATTORNEY BY  
ASSIGNEE, AND CHANGE OF CORRESPONDENCE ADDRESS**

Touchstone Research Laboratory, Ltd., a corporation, states that it is the assignee of the entire right, title, and interest in the following patent applications by virtue of assignments from their respective inventor(s). The assignments have been recorded in the United States Patent and Trademark Office at the Reel and Frame numbers indicated below.

<b>McGuireWoods Docket No.</b>	<b>Serial Number</b>	<b>Filing Date</b>	<b>Title</b>	<b>Reel/Frame No.</b>
07620003AA	09/453,729	12/02/1999	Cellular Coal Products and Processes	See attached Assignment
07620003PA1	09/902,828	07/10/2001	Cellular Coal Products and Processes	See attached Assignment
07620003PA2	10/046,436	01/14/02	Cellular Coal Products and Processes	See attached Assignment
07620004AA	09/733,602	12/08/2000	Designed Cellular Coal	See attached Assignment
07620004PA	09/905,344	07/14/2001	Reinforced Designed Cellular Coal	See attached Assignment
07620005AA	09/888,977	06/25/2001	Electrochemical Cell Electrodes	See attached Assignment
07620006AA	09/944,273	08/31/2001	Thermal Protection System	See attached Assignment
07620007AA	09/976,172	10/12/2001	Activated, Coal-Based Carbon Foam	See attached Assignment
07620008AA	09/976,175	10/12/2001	Petroleum Pitch-Based Carbon Foam	See attached Assignment
07620009AA	09/976,425	10/12/2001	Carbon Foam Abrasives	See attached Assignment

07620009PA	10/068,074	02/05/2002	Carbon Foam Abrasives	See attached Assignment
07620010AA	09/976,426	10/12/2001	Stealth Foam and Production Method	See attached Assignment
07620011AA	09/941,342	08/29/2001	Composite Tooling	See attached Assignment
07620012AA	09/954,490	09/17/2001	Coal-Based Carbon Foam	See attached Assignment
07620013AA	10/068,075	02/05/2002	Blended Pitch/Coal Based Carbon Foams	See attached Assignment
07620014AA	10/072,661	02/06/2002	Microwave Assisted Treatment of Carbon Foam	See attached Assignment

The assignee of the above-identified patent applications revokes all previous power of attorneys and hereby appoints:

Philip D. Lane, Reg. No. 41,140	Hae-Chan Park, Reg. No. 50,114
Paul E. McGowan, Reg. No. 46,917	Andrew M. Calderon, Reg. No. 38,093
Scott A. Felder, Reg. No. 47,558	Mark J. Young, Reg. No. 39,436
Luke Anderson, Reg. No. 44,507	

as attorneys to prosecute these applications and transact all business in the Patent and Trademark Office connected therewith.

The undersigned hereby grants said attorneys the power to insert on this Power of Attorney any further identification that may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office.

Address correspondence to:

McGuireWoods LLP  
1750 Tysons Boulevard  
Suite 1800  
McLean, VA 22102

Direct Telephone Calls to Philip D. Lane, Ph.D. at 703-712-5069.

On behalf of Touchstone Research Laboratory, Ltd.:

FOR: TOUCHSTONE RESEARCH LABORATORY, LTD.

SIGNATURE:



BY:

ELIZABETH N. KRAFTICIAN

TITLE:

C.E.O.

DATE:

9/11/02

Docket Number 1391(Touchstone)

(Worldwide Rights)

ASSIGNMENT

FULL NAME(S) AND  
POST OFFICE ADDRESS(ES)  
(including Country)  
OF INVENTOR(S)

WHEREAS:  
Darren Rogers  
4 America Avenue  
Wheeling, WV 26003  
USA

And

Janusz Wladyslaw Plucinski  
416 6<sup>th</sup> Street  
Glen Dale, WV 26038  
USA

(hereinafter referred to as ASSIGNOR(S)) have  
invented certain new and useful improvements in an  
invention

TITLE OF INVENTION

Designed Cellular Coal

For which an application for United  
States Letters Patent is being executed  
and filed concurrently herewith;

WHEREAS:

FULL NAME AND ADDRESS  
(including Country) OF ASSIGNEE  
(if a Corporation show state and  
identify state/Country of Corporation)

Touchstone Research Laboratory, Ltd.  
RD #1, Box 100B, The Millenium Centre  
Triadelphia, West Virginia 26059

(Hereinafter referred to as ASSIGNEE), is  
desirous of acquiring the entire interest  
in, to and under said invention and in, to  
and under Letters Patent or similar legal  
protection to be obtained therefore in the  
United States and in any and all foreign  
countries.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:  
Be it known that in consideration of the payment by  
ASSIGNEE to each of said ASSIGNOR(S) of the sum of One  
Hundred Dollars (\$100.00) the receipt and sufficiency of which

is hereby acknowledged, ASSIGNOR(S) hereby sells, assigns and transfers to ASSIGNEE, its lawful successors and assigns, the full and exclusive right, title and interest to said invention in the United States and its territorial possessions and in all foreign countries and to all Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention by said application or any continuation, division, continuation-in-part, reexamination, renewal, substitute, extension or reissue thereof or any legal equivalent thereof in a foreign country for the full terms or terms of which the same may be granted; and authorize and request the Commission of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents or legal equivalents thereto, to issue same for this invention to ASSIGNEE, its lawful successors and assigns.

ASSIGNOR(S) hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;

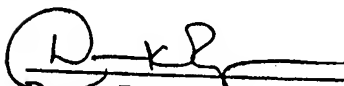
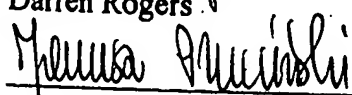
ASSIGNOR(S) further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to ASSIGNOR(S) and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments, or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof in any foreign country which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I/We have hereunto set hand and signed on the date indicated.

#### SIGNATURE(S)

The signature(s) must correspond with the name(s) of the inventor(s) above.

INVENTOR(S) AND ASSIGNOR(S):

  
Darren Rogers  
  
Janusz Wladyslaw Plucinski

DATE SIGNED

4/DEC/2000

12/4/00

WITNESS(ES)

